Public Works (1901) Department.

G.O., No. 2839

DATED 14-9-1901.

[Despatch Abstract.]

Sinnapedi Kanmoy, Madura Division

An estimate, amounting to Rs. 1,464 inclusive of establishment charges, for improvements to —, sanctioned with remarks.

7. E.D./21 2/20 10/9

Indexed 18/9

Regd as 44 9/11

[P. W. S. 2,500—30-7-08.]

14-9-11.

BACK PAPERS.

G.O.	No.	Department.	Date.	G.O.	No.	Department.	Date.

FURTHER PAPERS.

G.O.	No.	Department.	Date.	G.O.	No.	Department.	Date.

Government of Madras.

PUBLIC WORKS DEPARTMENT.

IRRIGATION.
ACCOUNT.

Recd.	1911.	*Enclosures*	
Regd.		*Spare copies*	

G.O. No. 283 I., 14th September 1911.

Sinnapedi kanmoy, Madura division

An estimate, amounting to Rs. 1,464, inclusive of establishment charges, for improvements to —, sanctioned with remarks.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Irrigation.
Account.

READ—the following papers:—

I

Letter—from C. MILDRED, Esq., A.M.I.C.E., Superintending Engineer, VI Circle.
To—the Chief Engineer for Irrigation.
Dated—Camp, Kodaikánal, the 16th June 1911.
No.—650-C.E.

I have the honour to forward herewith for your approval and sanction of Government an estimate amounting to Rs. 1,085, for constructing three cement pipe sluices on designs Nos. M. 248 to 250 of 1911, and a calingula on design No. 251 of 1911 in No. 86 Sinnapedi kanmoy, a tank to be maintained with reference to G.O. No. 1250 I., dated 15th December 1905, and situated at the tail end of the 9th distributary, XII Branch channel, Periyár system, in the Mélúr taluk, Madura district.

2. The necessity for the construction of these masonry works is well explained in the report attached to the estimate.

3. The work will be completed before the 31st March 1913. The rates entered in the estimate are fair and the data in support of the rates for important items is also attached to the estimate.

ENCLOSURES.

(i)

Report to accompany the estimate for improvements to No. 86, Sinnapedi kanmoy, Mélúr taluk.

	RS.
Amount of estimate	1,085

Situation and source of supply.—The tank is situated at a distance of three-fourths of a mile to the north-west of Melavalasai village and about a mile and a half to the east of Vannamparaipatti village, Mélúr taluk.

In addition to the drainage from its own free basin and the surplus of two upper tanks, it receives also a supply of Periyár water from the 9th distributary, XII Branch channel.

Surplus arrangements.—The tank surpluses through an open cut at the right flank and at the place where the surplus from Mannadi tank enters this tank and the ryots experience great difficulty to close the cut to store water in the tank to F.T.L. It is proposed to construct a calingula, 66 feet long, as shown on plan in M. No. 251 of 1911, with dam stones, 9″ high, and planted at intervals of 3 feet with its top fixed at F.T.L. so as to be capable of discharging the calculated maximum flood discharge with a head of $2\frac{1}{4}$ feet over crest, *i.e.*, $1\frac{1}{2}$ feet above F.T.L. or top of dam stones (*vide* hydraulic calculations, sheet attached).

Ayacut and sluices.—The whole ayacut of 49·20 acres under the tank is being irrigated by means of pot sluices, which will now be replaced by three cement pipe sluices as shown on plans M. Nos. 248 to 250 of 1911.

Bund.—The bund has been repaired to maintain the standard section shown in the descriptive memoir sheet (viz.), top of bund 3 feet above M.W.L. and width 4 feet with side slopes of $1\frac{1}{2}$ to 1 on both sides) on an estimate sanctioned for Rs. 135 in Circle Register No. 371 of 1906-1907.

F.T.L.—This has been fixed with reference to the water marks observed, enquiries made of the ryots and the lands shown as submerged in the foreshore at F.T.L. are all due to mamool submergence.

C. MILDRED,
Superintending Engineer, VI Circle.

16*th June* 1911.

(ii)

Hydraulic calculations for the calingula proposed to be built at the right flank of Sinnapedi tank in Mélúr taluk.

	SQ. MILES.
Combined catchment area	1·87
Area of free basin	0·83

Discharge to be provided for —

$$D = CM^{\frac{2}{3}} - cm^{\frac{2}{3}};\ C = 500;\ c = 100$$

$$= 500 \times 1{\cdot}87^{\frac{2}{3}} - 100 \times 1{\cdot}04^{\frac{2}{3}} =$$

$$= 500 \times 1{\cdot}5178 - 100 \times 1{\cdot}0265$$

$$= 759 - 103 = 656 \text{ cusecs.}$$

Discharge provided for in the proposed calingula 66 feet long—

1. Over calingulah portion $= 3{\cdot}3 \times 57 \times 2{\cdot}25 \times \sqrt{2{\cdot}25} = 634$
2. Over damstones, &c. $= 3{\cdot}3 \times 9 \times 1{\cdot}5 \times \sqrt{1{\cdot}5} = 54$

Total discharge in cusecs = 688

4th May 1911.

J. M. PARKER,
Executive Engineer, Madura Division.

(iii)

Sub-Overseer G. Venkatarama Aiyar's report No. 146, *dated 17th September* 1907.

I inspected to-day all the lands on the foreshore of Sinnapedi kanmoy with the village munsif and the karnam field by field and found that the present F.T.L. as marked in the plan is not less than the original F.T.L. used to be stored up in the tank before the introduction of Periyár. On verifying at the spots the water spread lands as per revenue adangal accounts brought by the karnam, I observed that the present and the original F.T.L. are one and the same. The village munsif and the karnam state to the above effect and their statements are written in pencil on the spot on the reverse. There is no necessity to increase the F.T.L. as the tank receives supply from various sources.

II

Letter—from J. M. PARKER, Esq., Executive Engineer, Madura Division.
To—the Superintending Engineer, VI Circle.
Dated—Trichinopoly, the 13th July 1911.
No.—694-S.E.

With reference to your No. 3808, dated 16th June 1911, I have the honour to inform you that the levels for the repair and improvements to Sinnapedi kanmoy were taken by M.R.Ry. S. Ramiah, Overseer, on 29th March 1906, and these are recorded in pages 107 to 116 of field-book No. 1 of 1906.

Endorsement No. 783 *C.E., dated* 19*th July* 1911.

Communicated to the Chief Engineer for Irrigation for information in continuation of this office No. 650-C.E., dated 16th June 1911.

C MILDRED,
Superintending Engineer, VI Circle.

III

Note by the Chief Engineer for Irrigation, R.O.C. No. 1714/11, dated 6th September 1911.

The Superintending Engineer, VI Circle, submits an estimate amounting to Rs. 1,085 for improvements to No. 86. Sinnapedi kanmoy, a Periyár-affected tank, which is to be maintained with reference to G.O. No. 1250 I., dated 15th December 1905. The necessity for the works proposed is clearly explained in the report accompanying the estimate.

2. In the design for the calingula an apron of roughstone, $1\frac{1}{2}'$ thick, packed dry has been provided for. As there is a drop of 3·25′ or possibly more, if the filling between the damstones is not entirely removed, it is considered advisable to build it of rubble in mortar and provision has been made accordingly in the estimate. The estimate as altered in this office amounts to Rs. 1,190 and is recommended for sanction.

H. E. CLERK,
Chief Engineer for Irrigation.

To the Joint Secretary to Government,
Public Works Department (Irrigation)
with the correspondence quoted in original.

Order—No. 283 I., dated 14th September 1911.

The following estimate is sanctioned :—

Imperial.
Capital Expenditure not charged to Revenue.
49. Irrigation.
Periyár System.
Open Capital Account.
I. Works.
3. Distributaries.
C. Works.
Unremunerative work.
Improvements to No. 86. Sinnapedi kanmoy.

Estimate—

	RS.
I. Works	1,190
II. Establishment	274
Total ..	1,464

2. This sanction is registered as No. 44 I. of 1911-1912 and will expire on the 31st March 1913.

3. The attention of the Superintending Engineer, VI Circle, is drawn to paragraph 2 of the foregoing note by the Chief Engineer for Irrigation.

(True Extract.)

H. E. CLERK,
Joint Secretary to Government, P.W.D.,
Irrigation Branch.

To the Chief Engineer for Irrigation.
,, Superintending Engineer, VI Circle,
with plans and estimates.
,, Accountant-General, Madras.

Forwarded to the

(By Order.)

Deputy Registrar.

9 Doc № 1714/11 d/ 6-9-1911

5

CURRENT No. 10425
PASSED ON BY
R. C.
U. R. C.
REF.
R. K. } 11/9
D. O.

Note by the Chief Engineer for Irrigation

The S. E. VI C submits an Esti. amounting to Rs 1085/- for improvements to No 86 Sirna-pedi Kannoy, a Perujar-affected tank which is to be maintained with reference to G.O. № 1250 I d/ 15/12/05

flag D

The necessity for the works proposed is clearly explained in the report accompanying the Esti.

2. In the design for the Calingulah an apron of roughstone 1½' thick packed dry has been provided for. As there is a ~~fall~~ drop of 3.25' ~~which~~, or possibly more if ~~which may increase to 4' if the~~ ~~planks (on the long bund)~~ the filling ~~back-packing~~ between the damstones ~~are~~ is not entirely removed it is considered advisable to ~~have it built~~ build it of Rubble in mortar and provision has been made accordingly in the Esti.

?

The Estimate as altered in

U

~~10~~ 6

7.8

this office amounts to Rs 1196/-
and is recommended for sanction

M
23/8/11

AW.
1.9.11

AH
6/9/11

2853

To
The Joint Secy to Govt. P.W.D. (I)
with the correspondence
quoted, (in original).

12

SUBJECT.— Estimate ~~of Rs 1000~~ 1190 for improvements to No 86 Sinnapadi Kanmoy, a Periyar-affected tank, Madura District

7

PUBLIC WORKS DEPARTMENT,

IRRIGATION BRANCH.

C. No 1714/11

PROCEEDINGS OF THE MADRAS GOVERNMENT.

READ the following

Print { From the Supg. Engr: VI Circle, dd 16-6-11, No 650 C.E.
From — do —, dd 19-7-11, No 783 CE
Note by the Chief Engr for Irrgn, dd 6-9-11, Rec No 1714/11

~~MS 7/10 9/7~~

Print Report

Order No. 283-I. Dd 14-9-1911.

1/8

283 I

The following estimate is sanctioned:—

Imperial.

Capital expenditure not charged to Revenue.

49- Irrigation.

Periyar System.

Open Capital acct.

I _ Works.

3. Distributaries.

C- Works

Unremunerative Work.

Improvements to No 86 Sinnapedi Kanmoy.

2

2/8

Estimate — Q.P.

	Rs
I Works.	1190
II Establt.	274
	1,464

2 This sanction is registered as No 44-I of 1911-12 and will expire on the 31st March 1913. | p2 of C.f. |

3 The attention of the Sup Engr:, VI Circle, is drawn to para 2 of the foregoing note by the Chief Engineer for Irrign. pp 9 & 10 of C.f.

L & D

[signature] 29.8.11

Issue

[signature] 29-8-11

[signature] 1.9.11

[signature] 6/9/11

I

To The Chief Engr for Irrgn ✓

" Sup Engr:, VI Circle, ✓ D.J. 4/18 ✓ Dso 16/9/11 with plans & Estimates,

" Acctt General, Madras ✓

Ordinary Press

Despatched on 15.11.11

3

Exr 12-9-11 PK 12/9 [initials] 13/9

13

file